

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Original) An additive for a printing ink comprising a polyethylene-based wax specified by the following (i) to (vii):

(i) being an ethylene homopolymer or a copolymer of ethylene and at least one  $\alpha$ -olefin selected from  $\alpha$ -olefins having 3 to 20 carbon atoms,

(ii) having the intrinsic viscosity  $[\eta]$  determined in decalin at 135°C ranging from 0.06 to 0.35 dl/g,

(iii) having the ratio ( $M_w/M_n$ ) of weight average molecular weight ( $M_w$ ) to number average molecular weight ( $M_n$ ) determined by gel permeation chromatography (GPC) ranging from 1.7 to 3.2,

(iv) having the ratio ( $M_z/M_w$ ) of z-average molecular weight ( $M_z$ ) to weight average molecular weight ( $M_w$ ) determined by gel permeation chromatography (GPC) ranging from 1.5 to 2.0,

(v) having the density ranging from 920 to 980 kg/m<sup>3</sup>,

(vi) having the penetration hardness of 5 dmm or less, and

(vii) having the acid value ranging from 0.3 to 9.9 KOH-mg/g.

2. (Currently Amended) The additive for a printing ink according to claim 1, wherein ~~[[a]] the polyethylene-based wax is obtained by oxidative modification of the polyethylene-based wax which is produced with a metallocene-based catalyst and is~~ subjected to oxidative modification.

3. (Currently Amended) A solvent dispersion for a printing ink, wherein the polyethylene-based wax according to claim 1 is dispersed in the form of fine particles having a volume average particle diameter ranging from 0.3 to 10  $\mu\text{m}$  and at a ratio of 5 to 50 wt.% based on the total weight of the solvent dispersion in a non-aromatic solvent.

4. (Currently Amended) The solvent dispersion for a printing ink according to claim 3, wherein the non-aromatic solvent contains an alcohol-based solvent and/or an ester-based solvent at a ratio of 10 wt.% or more based on the total weight of the non-aromatic solvent.

5. (Currently Amended) A printing ink in which the polyethylene-based wax according to claim 1 is contained in the form of fine particles having a volume average particle diameter ranging from 0.3 to 10  $\mu\text{m}$  and at a ratio of 0.1 to 10 wt.%, and the content of an aromatic solvent is less than 5 wt.% based on the total weight of the printing ink composition.